

SECURE RURAL SCHOOLS AND COMMUNITY SELF-DETERMINATION ACT OF 2000
PUBLIC LAW 106-393
TITLE II PROJECT SUBMISSION FORM
USDA FOREST SERVICE

Name of Resource Advisory Committee: Fresno
Project Number (Assigned by Designated Federal Official):
Funding Fiscal Year(s): 2010

2. Project Name: Fire Lookout Restoration Project	3a. State: California 3b. County(s): Fresno
4. Project Submitted By: Kathryn Allison – Buck Rock Foundation Forest Service Contacts: Steve Orsaba – Assist. District Fire Management Officer – Hume Lake RD Shelby Charley – Assist. District Fire Management Officer - High Sierra RD	5. Date: 12/09/2009
6. Contact Phone Number: (559) 336-9319	7. Contact E-mail: buckrock@inreach.com

8. Project Location:	
a. National Forest(s): Sequoia NF / Sierra NF	b. Forest Service District: Hume Lake & High Sierra RDs
c. Location (Township-Range-Section): Delilah Lookout: T13S, R26E, sec 11 and 14; M.D.B.&M. Fence Meadow Lookout: T11S, R26E, sec 19; M.D.B.&M. Mt. Tom Lookout: T6S, R26E Sec 30.	

9. Project Goals and Objectives: To implement needed maintenance of historic Fence Meadow and Mt. Tom Fire Lookouts on the Sierra National Forest and Delilah Fire Lookout on the Sequoia National Forest. This project will improve and repair these existing structures to meet health and safety standards for staff, volunteers, and visitors. The utilization of these lookouts is key to protecting the natural resources and ecosystems of the Kings River and San Joaquin Watersheds and surrounding communities by providing early wildfire detection.
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10. Project Description: a. Brief: Projects will focus on the repair or replacement of specific items integral to the functionality of Fence Meadow, Mt. Tom and Delilah Lookouts. b. Detailed: <u>Fence Meadow</u> - In 2007, the High Sierra Ranger District determined that Fence Meadow Lookout was still a viable location for front country fire detection and made the commitment to restore the tower to meet health and safety requirements. Matching funds from the Buck Rock Foundation and the Forest Fire Lookout Association jump-started the rehabilitation during the summer of 2008. Volunteers and fire fighters repaired the exterior siding, window sills and frames, re-glazed the windows, scraped, primed and painted both the interior and exterior of the cab and cleaned the area of accumulated trash and old equipment. To continue the rehab of Fence Meadow, repair work includes the following:
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- 1) – Demolition and removal of the current deteriorated window shutters.
- 2) – Design, construct, and install new window shutters necessary to protect the structural integrity of the lookout cab.
- 3) – Purchase and install a propane heating system for the cab (currently no heating system exists).
- 4) – Purchase a generator for emergency back-up situations; provide power to small non-propane appliances, and for on-site repair work and annual maintenance projects.
- 5) – Install electrical system to provide exterior lighting for the lookout.

Mt. Tom - The Sierra National Forest fire management depends heavily on Mt Tom Lookout for weather observations, reporting lightning and subsequent wildfires. The tower is located in a remote location and is staffed with a Forest Service employee who lives and works full-time at the lookout during fire season. Mt Tom has not seen any type of restoration in decades. Repair work for Mt. Tom Lookout includes the following:

- 1) – Purchase and install new floor covering.
- 2) – Purchase and install a new counter top.
- 3) – Purchase and install a new door
- 4) – Purchase and install a tank-less hot water heater.
- 5) – Remove and re-glaze windows.

Delilah - A partnership between the Sequoia National Forest and the Buck Rock Foundation facilitated the re-use of Delilah as a location for fire detection in 2003. BRF staff and SQF facilities engineers assessed all the SQF lookouts to determine priorities and long-range planning needs. Based on that assessment and current site surveys the following repair work is recommended:

- 1) Lookout Cab:
 - A. Exterior:
 - 1 – Inspect and secure roofing.
 - B. Interior:
 - 1 – Demolition and removal of interior siding, sills, and rotted wall insulation.
 - 2 – Construct and install moisture barrier between exterior walls and interior walls to prevent future damage.
 - 3 – Construct, install, and paint interior wood siding, sills, and trim.
 - 4 – Scrape and paint interior window frames and cabinets.
- 2) Stair and Landing Area Security Lighting: Purchase and install a solar lighting system for the stairs and landing areas for safety of the staff and visitors and security of the facility.
- 3) Replace the propane heater.

11. Types of Lands Involved?

State/Private/Other lands involved? ☐ Yes ☒ No

Land Status:

If Yes, specify:

12. How does the proposed project meet purposes of the Legislation? (Check at least 1)
<input checked="" type="checkbox"/> Improves maintenance of existing infrastructure.
<input type="checkbox"/> Implements stewardship objectives that enhance forest ecosystems.
<input type="checkbox"/> Restores and improves land health.
<input type="checkbox"/> Restores water quality

13. Project Type	
a. Check all that apply: (check at least 1)	
<input type="checkbox"/> Road Maintenance	<input type="checkbox"/> Trail Maintenance
<input type="checkbox"/> Road Decommission/Obliteration	<input type="checkbox"/> Trail Obliteration
<input checked="" type="checkbox"/> Other Infrastructure Maintenance (specify): Fire Lookouts	
<input type="checkbox"/> Soil Productivity Improvement	<input type="checkbox"/> Forest Health Improvement
<input type="checkbox"/> Watershed Restoration & Maintenance	<input type="checkbox"/> Wildlife Habitat Restoration
<input type="checkbox"/> Fish Habitat Restoration	<input type="checkbox"/> Control of Noxious Weeds
<input type="checkbox"/> Reestablish Native Species	<input checked="" type="checkbox"/> Fuels Management/Fire Prevention
<input type="checkbox"/> Community Economic Benefit	<input type="checkbox"/> Other Project Type (specify):
b. Primary Purpose (select only 1): Infrastructure Maintenance	

14. Identify What the Project Will Accomplish
Miles of road maintained:
Miles of road decommissioned/obliterated:
Number of structures maintained/improved: 3 structures
Acres of soil productivity improved:
Miles of stream/river restored/improved:
Miles of fish habitat restored/improved:
Acres of native species reestablished:
Miles of trail maintained:
Miles of trial obliterated:
Acres of forest health improved (including fuels reduction):
Acres of rangeland improved:
Acres of wildlife habitat restored/improved:
Acres of noxious weeds controlled:

Timber volume generated:
Number of jobs generated:
People reached (for environmental education projects/fire prevention):
Direct economic activity benefit:
Other:

15. Estimated Project Start Date: April 2010	16. Estimated Project Completion Date: October 2010
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17. How will cooperative relationships among people that use federal lands be improved? List known partnerships or collaborative opportunities. This project is a collaborative effort bringing together the Forest Service and volunteers to help preserve history and to improve the detection capabilities covering lands and communities in southeastern Fresno County. Potential partners for this project include the Sequoia and Sierra National Forests, Buck Rock Foundation (BRF), Southern Sierra Climbers Association (SSCA), High Sierra Volunteer Trail Crew (HSVTC), and the California Department of Forestry and Fire Protection – Miramonte Conservation Camp.

18. How is this project in the best interest of the community? Identify benefits to communities. A restored and staffed fire lookout serves as the first line of defense protecting communities and public lands from devastating wildfires. Fire lookouts are an important part of our conservation heritage while serving the public with a tangible link to the land. These lookouts provide a place for visitors to experience fire and natural resource conservation education, enjoy breath-taking views of the Sierra Nevada Mountain range, and contribute to tourism dollars for Fresno County. Approximately 1200 total visitors experienced these three lookouts this past summer.

19. How does the project benefit federal lands/resources? Limited funds have led to years of deterioration of Fence Meadow, Mt. Tom, and Delilah Lookouts. This project's restoration plan will re-establish the "Most Efficient Level" (MEL) for fire detection as outlined in the National Fire Plan. The building infrastructure restoration will ensure a safe environment for fire watchers and visitors, while preserving the historic integrity of each lookout. Utilizing local volunteers and other partners encourages an atmosphere of public land stewardship.

20. What is the Proposed Method(s) of Accomplishment? (check at least 1)	
<input type="checkbox"/> Contract	<input checked="" type="checkbox"/> Federal Workforce
<input type="checkbox"/> County Workforce	<input checked="" type="checkbox"/> Volunteers
<input type="checkbox"/> Grant	<input type="checkbox"/> Agreement
<input type="checkbox"/> Americorps	<input type="checkbox"/> CCC Crews
<input type="checkbox"/> Other (specify):	

21. Will the Project Generate Merchantable Materials? ☐ Yes ☒ No

22. Anticipated Project Costs
a. Title II Funds Requested: \$13,550.00
b. Is this a multi-year funding request? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

23. Identify Source(s) of Other Funding: In-kind funding from partners BRF and SSCA including equipment use, volunteer labor, and donated materials. Forest Service funding contributions would be from federally appropriated dollars.

24. Monitoring Plan (see attachment, page 10)

- a. Provide a plan that describes your process for tracking and explaining the effects of this project on your environmental and community goals outlined above.
- b. Identify who will conduct the monitoring:
- c. Identify total funding needed to carry out specified monitoring tasks (Worksheet 1, Item k):

25. Identify remedies for failure to comply with the terms of the agreement.

If project cannot be completed under the terms of this agreement:

- ☒ Unused funds will be returned to the RAC account.
- ☐ Other, please explain:

Project Recommended By:

Chairperson

Resource Advisory Committee

Project Approved By:

Forest Supervisors

Sequoia / Sierra National Forests

Project Cost Analysis Worksheet

Worksheet 1

Please submit this worksheet with your proposal

Item	Column A Fed. Agency Appropriated Contribution	Column B Requested Title II Contribution	Column C Other Contributions	Column D Total Available Funds
a. Field Work & Site Surveys	\$250.00		\$360.00	\$610.00
b. NEPA/CEQA	\$150.00			\$150.00
c. ESA Consultation				
d. Permit Acquisition				
e. Project Design & Engineering			\$450.00	\$450.00
f. Contract/Grant Preparation				
g. Contract/Grant Administration				
h. Contract				
i. Salaries – FS fire personnel used for labor and project oversight	\$7,400.00			\$7,400.00
j. Materials & Supplies – For Fence Meadow, Mt. Tom and Delilah		\$10,925.00	\$800.00	\$11,725.00
k. Monitoring	\$600.00		\$150.00	\$750.00
l. Other – <i>Title II</i> : per diem (\$54 day), mileage (.55), and expenses based on current Fresno County rates. <i>Contributions</i> : Logistical support (travel and expenses, mileage), project research and development, grant preparation, coordination)		\$2,625.00	\$3007.00	\$5632.00
m. Project Sub-Total	\$8,400.00	\$13,550.00	\$4,767.00	\$26,717.00
n. Indirect Costs – 8% of project subtotal as per instructions	\$2,137.00			\$2,137.00
o. Total Cost Estimate	\$10,537.00	\$13,550.00	\$4,767.00	\$28,854.00

NOTES: (See attached sheet for more detail breakdown of costs)

- a. Pre-NEPA Costs
- g. Includes Contracting/Grant Officer Representative (COR) costs. Excludes Contracting/Grant Officer costs.
- h. Contract costs would be incorporated into existing Forest Service grading contract to grade FS Road 13S75
- i. Cost of implementing project
- l. Examples include overhead charges from other partners, vehicles, equipment rentals, travel, per-diem, etc.
- n. Contracting/Grant Officer costs, if needed, are included as part of Indirect Costs.

Budget Detail

Fire Lookout Restoration Project

(Requested Title II funds are highlighted in yellow.)

Item a. Field Work and Site Surveys

A. Federal Agency Contribution - \$250

One day site survey

B. Requested Title II – n/a

C. Other Contributions - \$360

Site surveys by BRF volunteer engineer and Project Coordinator

32 hours @ 15 per hour - \$360

D. Total Cost - \$610

Item b. NEPA/CEQA

A. Federal Agency Contribution - \$150.00

Archaeology document preparation

B. Requested Title II – n/a

C. Other – n/a

D. Total Cost - \$150

Item e. Project Design and Engineering

A. Federal Agency Contribution – n/a

B. Requested Title II – n/a

C. Other Contribution - \$450

BRF volunteer engineering design of Fence Meadow Shutters

10 hours @ \$20 per hour - \$200.00

BRF volunteer engineering design of Delilah interior wall and copper gutter

8 hours @ \$25 per hour - \$250

D. Total cost - \$450

Item i. Salaries

A. Federal Agency Contribution - \$7,400

Fence Meadow Project:

2 GS-6 Laborers @ \$19 per hour for 40 hours = \$760

1 GS-7 Oversight @ \$22 per hour for 20 hours = \$440

Total Fence Meadow – \$1200.00

Mt Tom Project:

2 GS-6 Laborers @ \$19 per hour for 40 hours - \$760

1 GS-7 Oversight @ \$22 per hour for 20 hours - \$440

Total Mt. Tom - \$1,200.00

Delilah Project:

Engine Crew for 5 days - \$4,000

1 FS Engineer Oversight - \$1,000

Total Delilah - \$5,000

B. Requested Title II – n/a

C. Other Contributions – n/a

D. Total Cost - \$7,400.00

Item j. Materials and Supplies

A. Federal Agency Contribution – n/a

B. Requested Title II - \$10,925.00

Fence Meadow – \$3,600.00

Shutters - \$2,200

Propane Heater - \$750

Generator - \$500

New Electrical System for downstairs lighting - \$150

Mt. Tom – \$1,675.00

Floor Covering - \$500

Window Glazing - \$25

New Counter - \$200

New Door - \$150

Tankless Hot Water Heater - \$800

Delilah - \$4,225.00

Interior Wall Replacement (material list available upon request) - \$1,950.00

Copper Gutter System - \$575

Paint and painting supplies - \$100

Generator Rental - \$200

Exterior Solar Lighting System - \$400

Propane Heater - \$1,000

15% error adjustment/contingencies - \$1425

C. Other Contributions - \$800.00

BRF and SSCA volunteer equipment, tools, climbing gear, rentals, and materials.

D. Total Cost - \$11,725.00

Item k. Monitoring

A. Federal Agency Contribution - \$600.00

Monitoring costs would cover District personnel to oversee the project:

GS 11 @ \$300/day x 2 days - \$600

B. Requested Title II – n/a

C. Other Contributions - \$150

1 BRF volunteer to provide project monitoring assistance – \$150

\$15 per hour @ 10 hours - \$150

D. Total Cost - \$750

Item l. Other

A. Federal Agency Contribution – n/a

B. Requested Title II – \$2,625.00

Per diem and mileage for BRF and SSCA volunteers

Per Diem (Current rate for Fresno County is \$54 per day):

1 BRF Project Coordinator/Finish Carpenter 5 days @ \$54 per day - \$270

2 BRF Laborers 7 days @ \$54 per day - \$756

1 SSCA Climber 2 days @ \$54 per day - \$108

1 BRF Oversight/Engineer 2 days @ \$54 per day - \$108

Total Per Diem - \$1,242.00

Mileage Reimbursement (Current volunteer rate is .55 per mile)

Project Coordinator/Finish Carpenter 600 miles x .55 - 330.00

2 Laborers 616 miles x .55 - 338.00

1 Climber 184 miles x .55 - 101.20

1 Oversight/Engineer 88 miles x .55 - 48.40

1 Runner (using one of the laborer's mentioned above) 400 x .55 - 220.00

Total mileage costs - \$1040.00

15% error adjustment and contingencies - \$343.00

C. Other Contributions - \$3007.00

BRF Project Research and Development 80 hours @\$15 hr - \$1,200.00

BRF Grant Preparation 70 hours @\$15 HR - \$1,050.00

Travel/mileage expenses - \$365

15% error adjustment and contingencies - \$392.00

D. Total Cost - \$5,632.00

Item n. Indirect Costs - \$2,137.00

A. Federal Agency Contribution – 2,137.00

8% indirect cost applied to the Project sub-total as per instructions.

B. Requested Title II – n/a

C. Other Contributions – n/a

D. Total Cost - \$2,137.00

Monitoring Report Fire Lookout Restoration Project

a. Provide a plan that describes your process for tracking and explaining the effects of this project on your environmental and community goals outlined above.

The Buck Rock Foundation in cooperation with the Sequoia and Sierra National Forests will coordinate this project through its completion. The Forest Service will provide project oversight for all three projects. BRF will designate an on-sight Project Manager to manage the volunteers and to ensure that the work is accomplished. Tracking of the project will be documented by utilizing before and after photos, daily diaries, spread sheets, project work plans and progress reports. Upon completion of the project, the Forest Service will provide a written report and will present the results of the project to the Resource Advisory Committee by the end of the 2010 calendar year.

b. Identify who will be conducting the monitoring:

Monitoring for this project will be provided by Fire Management for the Sequoia and Sierra National Forests with the assistance of the Buck Rock Foundation. Grant oversight will be performed by Fire Management on the Hume Lake Ranger District with the assistance of the Buck Rock Foundation.

c. Identify total funding needed to carry out specified monitoring tasks (Worksheet 1, Item k): \$750

A. Federal Agency Contribution - \$600.00

Monitoring costs would cover District personnel to oversee the project:

GS 11 @ \$300/day x 2 days = \$600

B. Requested Title II – n/a

C. Other Contributions - \$150

1 BRF volunteer to provide project monitoring assistance – \$150

\$15 per hour @ 10 hours = \$150

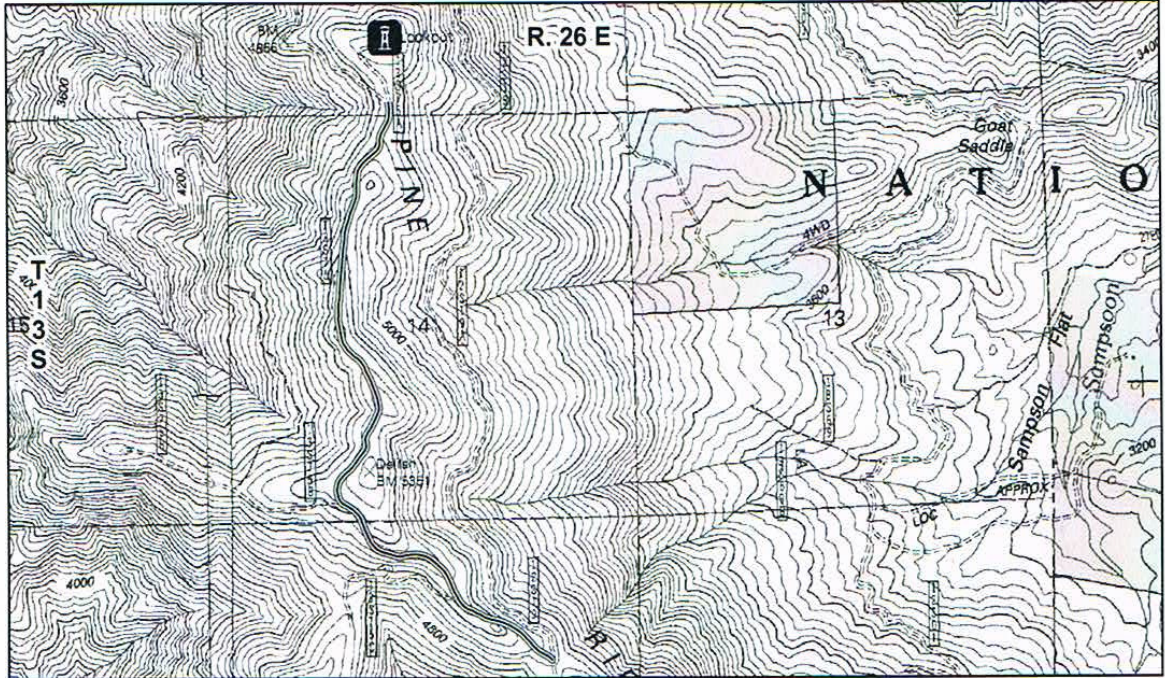
D. Total Cost = \$750

Project Location Maps

Fire Lookout Restoration Project

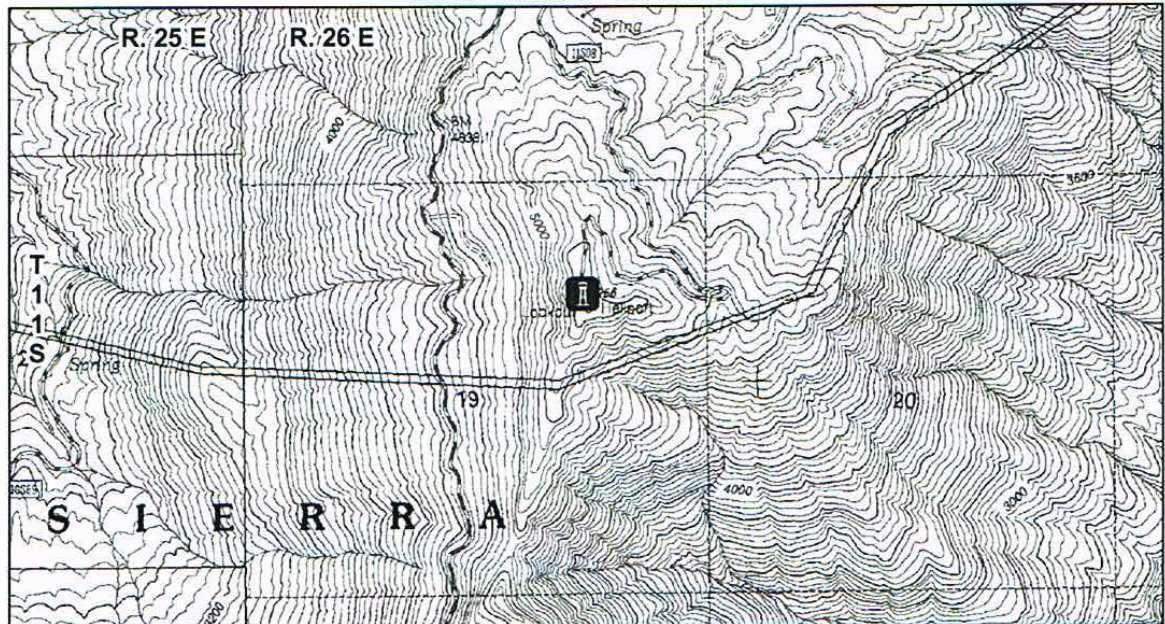
Sequoia National Forest

Delilah Lookout



Sierra National Forest

Fence Meadow Lookout



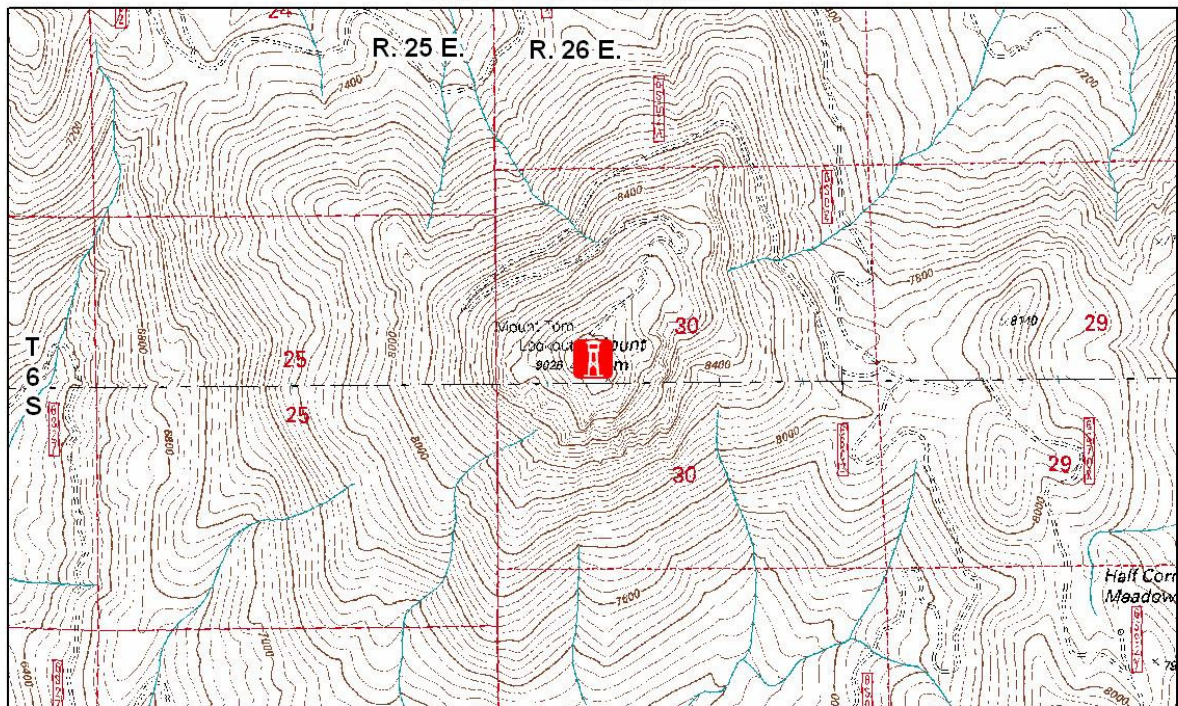
 Lookout Tower
 FS Road 13S75

0 0.5 1 Miles
SQF GIS CLK 3/2009



Fire Lookout Restoration Project

Sierra National Forest
Mount Tom Lookout



Lookout Tower

0 0.5 1 Miles

SQF GIS CLK 12/2009